

Title (en)  
Horizontally structured CAD/CAM modeling

Title (de)  
Horizontal strukturiertes CAD/CAM Modellieren

Title (fr)  
Modélisation CAD/CAM à structure horizontale

Publication  
**EP 1580696 A2 20050928 (EN)**

Application  
**EP 05075643 A 20050317**

Priority  
US 80592504 A 20040322

Abstract (en)  
A method for converting a vertically structured CAD/CAM Model (10) to a horizontally structured CAD/CAM Model, comprising: identifying and establishing a base feature (12); establishing a parent coordinate system (20); identifying a parent modeling element; identifying each dependency for each feature from the parent modeling element (13a); restructuring each dependency for each feature (14) for placement, such that each feature (14) exhibits a direct associative relationship with a reference feature; and restructuring each dependency for each feature (14) for positioning, such that each feature (14) exhibits a direct associative relationship with another reference feature.

IPC 1-7  
**G06T 17/40**

IPC 8 full level  
**G06T 17/00** (2006.01); **G06F 17/00** (2006.01); **G06T 17/40** (2006.01)

CPC (source: EP US)  
**G06T 19/00** (2013.01 - EP US)

Cited by  
US10353916B2; WO2017164937A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1580696 A2 20050928; EP 1580696 A3 20060621**; US 2005209834 A1 20050922; US 7472044 B2 20081230

DOCDB simple family (application)  
**EP 05075643 A 20050317**; US 80592504 A 20040322